2. Specification

2-1 Facsimile

Machine type :	Desk Top
Applicable line :	Public Switched Telephone Network (PSTN) or behind PABX
Compatibility :	ITU-T Group 3, ECM
Data coding :	MH / MR / MMR (ECM Mode)
Modem speed :	14400 / 12000 / 9600 / 7200 / 4800 / 2400 bps
Transmission speed :	Approx. 6 sec. (V.M ECM:14.4 kbps)
Effective scanning width :	8.3 inches (210 mm)
Effective printing width :	Letter : 8.2 inches A4 : 202 mm
Scanning method :	Sheet-fed scanning using a Contact Image Sensor (CIS)
Memory : MFP	About 2 MBytes
FAX	1 MByte
Halftone :	64 levels
Printing speed :	6 PPM (Letter size)
Automatic document feeder :	20 pages (20 lb or 75g / m^2)
Documents size :	Width : 148 to 216 mm
	Length : 128 to 356mm (Single Page)
	128 to 297mm (Multi Pages)
	Weight : 50 to 100 g / m^2 (Single Page)
	50 to 90 g / m^2 (20 Pages)
	75 g / m^2 (30 Pages)
One-touch dial :	10 locations
LCD :	16 characters x 1 lines

2-2 SCANNER

Scanning Method :	Sheet-fed scanning by CIS and feeding of the document by a stepping motor	
Resolution		
Horizontal	8 dots / mm (200 dpi)	(CIS Spec.)
Vertical	STANDARD : 3.85 lines / mm (98 Lpi)	
	FINE : 7.7 lines / mm (196 Lpi)	
	SUPER FINE : 11.8 lines / mm (300 Lpi)	
Photo Scale :	256 shades	
Scanning period :	STANDARD : 5 ms / line	
	FINE : 5 ms / line	
	SUPER FINE : 5 ms / line	

2-3 Printer

*Print Speed	Up to 6 PPM in Letter size, 5% Chaecter Pattern)	At Copy Mode
Resolution	Up to 300 x 300 DPI effective output	
Source of Light	Laser Diode(LSU)	
Print Method	Non-impact Electrophotography,	Laser Beam
Feed Method	Multi-Purpose Feeder and Manual	
Feed Reference	Center Reference Loading	
Paper	Size Normal Paper : A4,Letter,Legal,B5, Executive, A5 Envelope : Normal Envelope Length : 149 ~ 365mm Width : 100 ~ 216mm Weight : For MPF, 60 ~ 90g / m^2 For Manual, 60 ~163g / m^2	Bin Type
Paper Capacity	MPF : 150 Sheets (based on 75g / m^2) Manual Slot : 1 Sheet (Only SF-5100P)	
Paper Stacker Capacity	Face up : 100 Sheets (75g / m^2,20 lb)	
Warming up Time		
First Printing Time	Stand-By : 20 Sec Power Save Mode : 30 Sec	
Power Rating	AC 110V ~120V ± 15% 50 / 60Hz ± 3Hz, AC 220V ~ 240V ± 15% 50 / 60Hz ± 3Hz	
Power Consumption	Avg. 180Wh	
Power Saving Consumption	Avg. 10Wh	Sleep Mode
Certification & Compliance	FCC, UL, CSA, CE, CB	
** Acoustic Noise	Standby : Less than 36dB Sleep Mode : Less than 29dB Operating : Less than 50dB	

* Print speed will be affected by Operating System used, computing performance, application software, connecting method, media type, media size and job complexity.

** Sound Pressure Level, ISO 7779

Toner Cartridge	One-Cartridge type
Expected Life Span	50,000 Sheets
Operating Environment	Temperature : 10 ~ 32°C Humidity : 20 ~ 85%
Storage Environment	Temperature : -20 ~ 40°C Humidity : 10 ~ 95%RH
Weight	Net : Max. 7kg(with Accessory) Gross : Max. 14kg
External Dimension	313(W) X 325(D) x 228(H)mm (without Handset) 376(W) X 361(D) x 336(H)mm (with Handset)
Developer	. Life Span : 5% Pattern,Min. 2,500 / 1,000 Sheets . Developing : Non-magnetic Contact Developing . Charging : Conductive Roller Charging . Density Adjustment : Normal / Economic Mode selectable by the PC driver (Only SF-5100P) . Toner Supply Method : Exchanging Toner Cartridge . New Developer Checkable . Transfer System : Conductive Roller Transfer . Fusing System : Temperature & Pressure . OZONE Emission : Max. 0.1 PPM(8 Hours)

2-4 Quality

Conditions		
Paper	Normal Paper	75g / m^2
Environment	Temperature : 20 ~ 25°C Humidity : 40 ~ 60%	
Print Quality		
Image Density	Min. 1.3 Min. 1.0(Temperature : 10 ~ 15°C)	
Background	Max. 0.2	
Uniformity	Max. 0.2(Including Continuous Print)	
Fusing	Min. 75% (All Black)	
Start Position	Top : x ± 4.23mm, Side : y ± 4mm	From Left
Skew	Top : Max. ± 1.5mm / 200mm Side : Max. ± 2.0mm / 250mm	
Orthogonality	± 1.0mm	
Horizontal Scan	± 0.6mm / 208mm (Bowed Line Skew : Pattern 1)	
Special Paper Exception	Image Density : Min 1.0 (Envelope) Fusing : Min. 70% (All Black) (Envelope / OHP / Postcard)	
Paper Jam	Less than 1 / 1,000(75g / m^2 Paper)	
Paper Curl	First : Less than 16mm (10 Sheets, 75g / m^2 Paper) After Cooling : Less than 16mm (10 Sheets, 75g / m^2 Paper)	
Reliability		
Insulation Resistance	Less than 10 MΩ (at DC 500V)	
Dielectric Strength	AC 1000V (DC 1420V), 10mA	
Ground Continuity	Less than 0.1Ω	
Voltage DIP	Rated Voltage ± 15%	
AC Impulse Noise	AC 1000V 10, 100, 200, 400, 1000ns	Rated Power
Leakage Current	Less than 3.5mA	
Surge	6 KV, 500A / 3 KV, 500A	
OZONE Emission	Less than 0.1 ppm (8 Hours)	
Top Cover Open	Isolating the input power of the LSU, High Voltage Part, and Fuser	
Overcurrent Protect	Fuse inside the SMPS	
Fusing System		
Trouble Sensing	.The temperature doesn't rise to the specific temperature in the specific time. .The temperature is too high.	Indicate the Fuser error
Overheat Sensing	240 ~ 250°C (The thermostat cuts off the Fuser from the power.) Thermistor Open Sensing : Without the initial temperature change of the Fuser	

2-5 SMPS (Switching Mode Power Supply)

Input (AC)

AC Input Voltage	European	American
Minimum	198V	90V
Typical	230V	120V
Maximum	264V	135V
Max. AC Input Current	2.5Amps	3Amps
Max. Inrush Current	Ap-p (at 20°C)	

Output (DC)

Line Regulation	24V ± 10% 5V ± 5%
Road Regulation	24V ± 10% 5V ± 5%,-5V ± 5%
Ripple Noise	24V : Peak 300mV -5V : Peak 500mV 5V : Peak 500mV
Over Current Protect	24V : 2.7A ± 10% (by Circuit) 5V : A ± 10% (by Circuit)
Over Voltage Protect	24V : 33VDC 5V : 5.6VDC

Memo